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AMENDMENTS TO THE CLAIMS

Claims 1 to 9 (Canceled).

- 10. (Currently Amended) A self oscillating An audio Class D amplifier, comprising
- (a) a detector for receiving a PWM waveform control signal and producing a digital waveform switching signal to activate one of a pair including a positive switch and a negative switch to correct gain produced by the Class D amplifier;
- (b) an output stage including a positive switch and a negative switch comprising a single switching output, said output stage receiving said switching signal and activating one of said switches to produce a variable switching non-continuous digital driving signal;
- (c) an output filter to receive said digital driving signal, remove switching noise and provide an amplified non-inverting audio analog output signal to drive a load;
- (d) a non-inverting, closed loop negative feedback error amplifier circuit to
 - (i) receive said amplified analog output signal and compare said output signal to said input signal for gain-correction purposes, and
- (ii) produce said PWM waveform control signal; said amplifier self-oscillating.
- 11. (Currently Amended) A self oscillating An audio Class D amplifier, comprising
- (a) a detector for receiving a PWM waveform control signal and producing a digital

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waveform switching signal to activate one of a pair including a positive switch and a negative switch to correct gain produced by the Class D amplifier;

- (b) an output stage including a positive switch and a negative switch comprising a single switching output, said output stage receiving said switching signal and activating one of said switches to produce a variable switching non-continuous digital driving signal;
- (c) an output filter to receive said digital driving signal, remove switching noise and provide an amplified non-inverting audio analog output signal to drive a load;
- (d) a non-inverting, closed loop negative feedback error amplifier circuit to
 - (i) receive said amplified analog output signal and compare said output signal to said input signal for gain-correction purposes, and
- (ii) produce said PWM waveform control signal; the operation of said amplifier slowing as the magnitude of the error in gain increases, said amplifier self-oscillating.
- 12. (Currently Amended) A self oscillating An audio Class D amplifier, comprising
- (a) a variable frequency zero crossing detector for receiving a PWM waveform control signal and producing a digital waveform switching signal to activate one of a pair including a positive switch and a negative switch to correct gain produced by the Class D amplifier;
- (b) an output stage including a positive switch and a negative switch comprising a single switching output, said output stage receiving said switching signal and activating one of said switches to produce a variable switching non-continuous digital driving signal;

- (c) an output filter to receive said digital driving signal, remove switching noise and provide an amplified non-inverting audio analog output signal to drive a load;
- (d) a non-inverting, closed loop negative feedback, error amplifier circuit to
 - (i) receive said amplified analog output signal and compare said output signal to said input signal for gain-correction purposes, and
 - (ii) produce said PWM waveform control signal;

the operation of said amplifier slowing as the magnitude of the error in gain increases, said amplifier self-oscillating.